

Fig.1

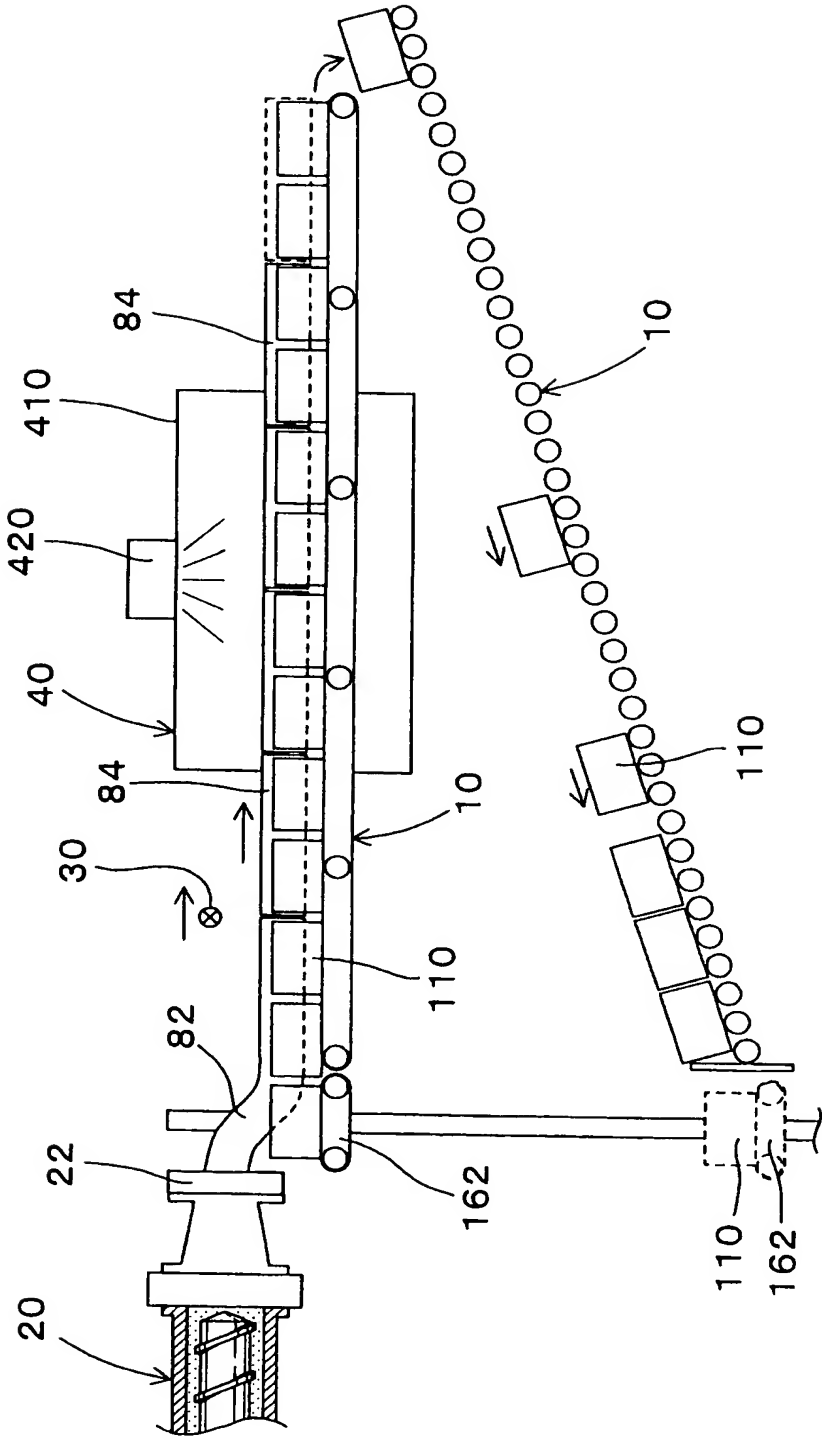


Fig.2

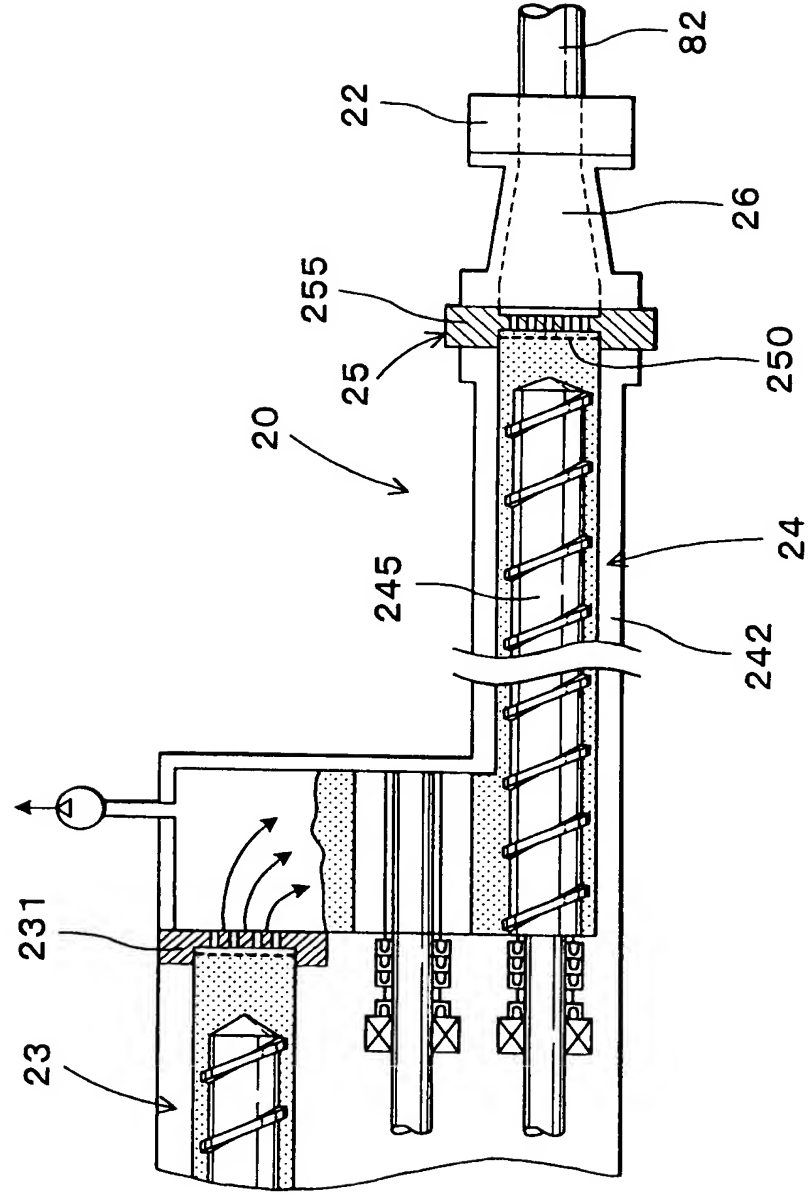
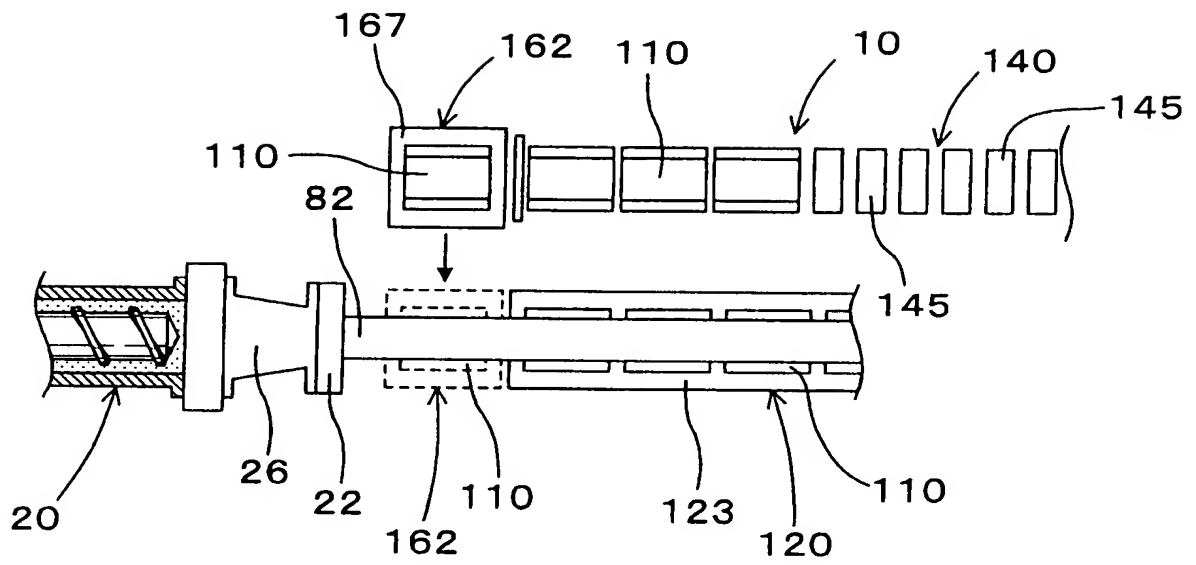


Figure 1 is a schematic diagram of a multi-stage conveyor system. The system includes a main horizontal conveyor (10) with multiple stages (120, 122, 123, 125, 127, 129) and a vertical conveyor (140) with stages (145, 146). A hopper (22) feeds material into the main conveyor. A motor (26) drives the system. A scale (30) is shown on the main conveyor. A vertical shaft (160) with gears (162, 164, 165, 166) is used to drive the vertical conveyor. A dashed line indicates a cross-section of the system.

Fig.4



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Fig.5

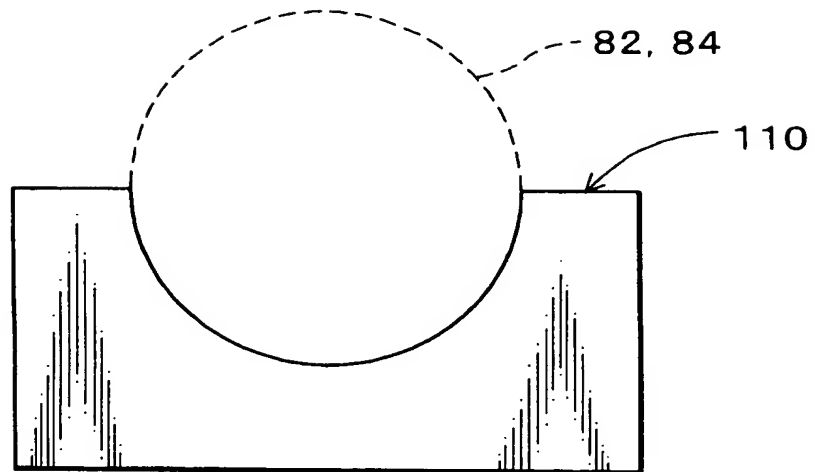


Fig.6

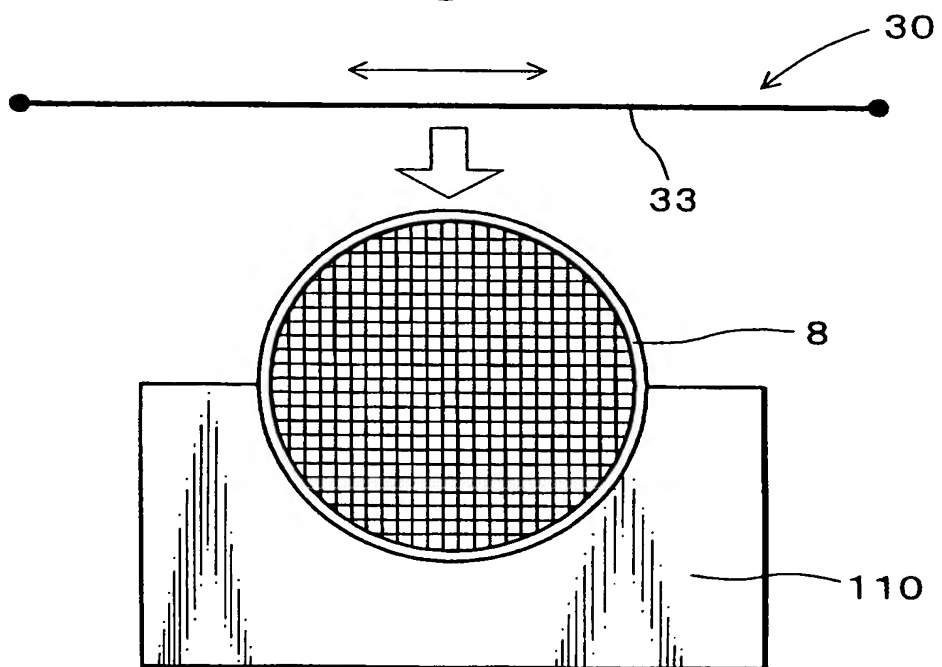


Fig.7

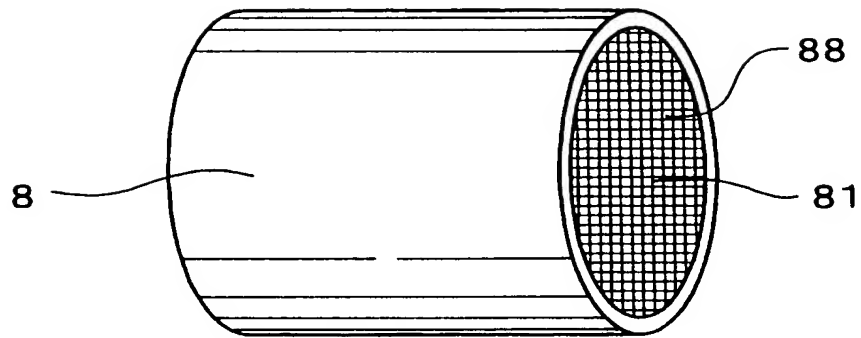
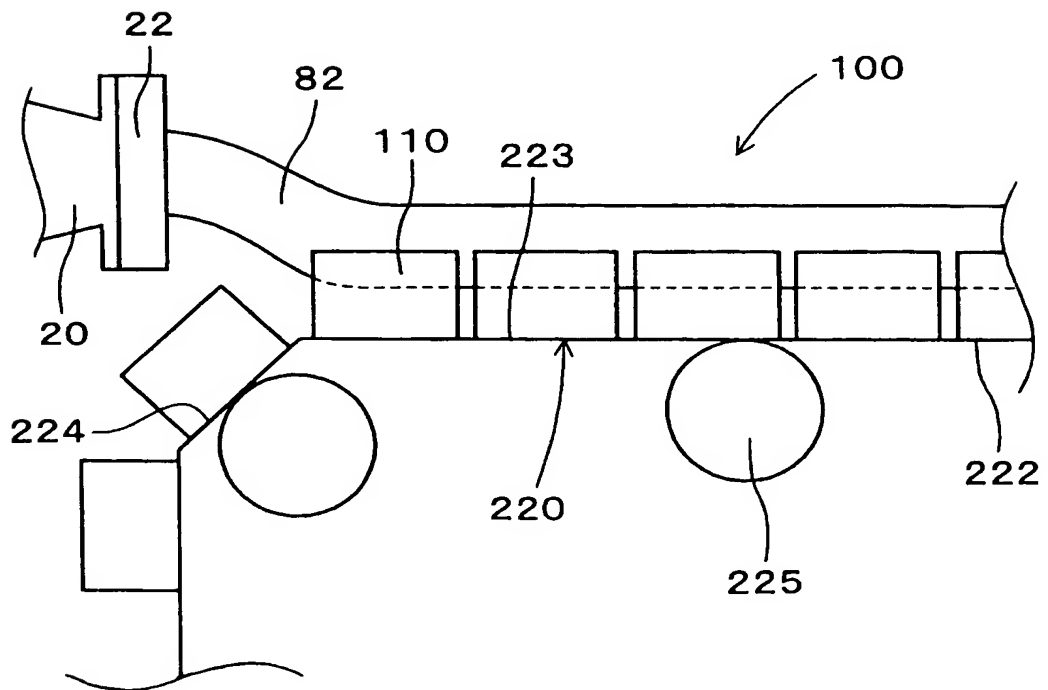


Fig.8



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Fig.9

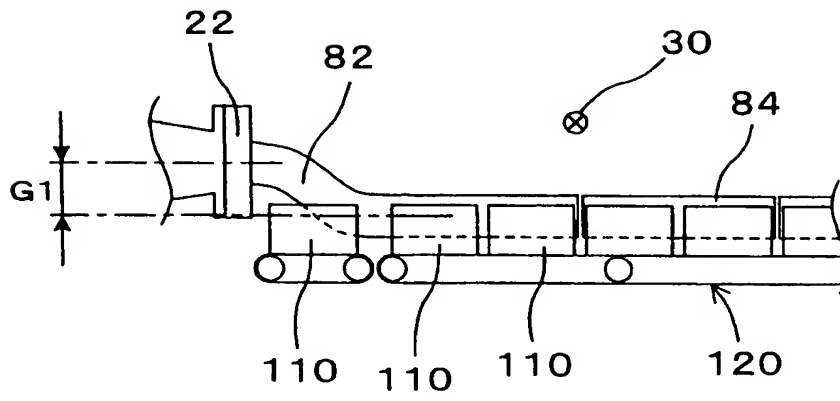


Fig.10

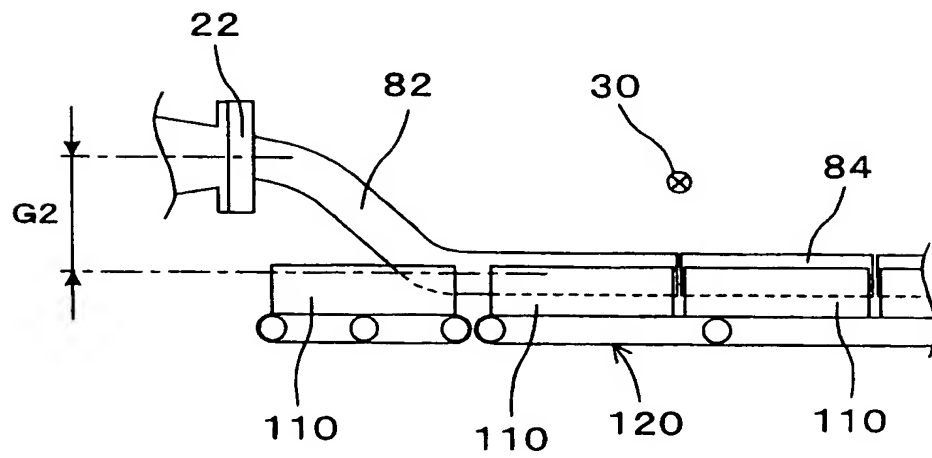


Fig.11

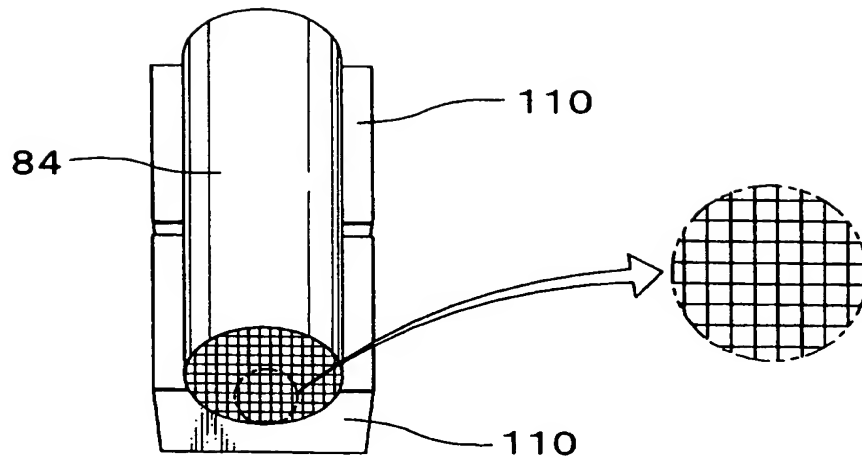


Fig.12

